

ABSTRACT

The invention relates generally to compositions of and methods for obtaining peroxisome proliferator-activated receptors. The invention relates as well to the DNA sequences encoding peroxisome proliferator-activated receptors, the recombinant vectors carrying those sequences, the recombinant host cells including either the sequences or vectors, and recombinant peroxisome proliferator-activated receptor polypeptides. By way of example, the invention discloses the cloning and functional expression of a peroxisome proliferator-activated receptor, designated PPAR- γ , obtained from a human source. The invention includes as well, methods for using the isolated, recombinant peroxisome proliferator-activated receptor polypeptides in assays designed to select and improve substances capable of interacting with peroxisome proliferator-activated receptor polypeptides for use in diagnostic, drug design and therapeutic applications.